

SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 2750 G-CM ² (15.0 OZ-IN ²) NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 3569 G-CM (49.56 OZ-IN) MIN
STEP TO STEP ACCURACY: ±.09 DEGREES [1], [2]	INSULATION CLASS: B
POSITIONAL ACCURACY: ±.09 DEGREES [1], [3]	BEARINGS: ABEC 3, DOUBLE SHIELDED
HYSTERESIS: - %	WEIGHT: 4.125 KG (9.1 LB)
SHAFT RUNOUT: 0.05 T.I.R.	TEMP. RISE: 80 °C MAX. [8]
RADIAL PLAY: 0.02 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C
END PLAY: 0.08 MAX W/A .5KG AXIAL LOAD	STORAGE TEMP. RANGE: -30 TO +70 °C
	RELATIVE HUMIDITY RANGE: 15 TO 85 %

HT34-506

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
5982	A	INITIAL RELEASE	10/5/09	J KORDIK
6030	B	SPEC CHANGES	12/2/09	J KORDIK
7247	C	ADD UL TO LABEL	1/26/16	J KORDIK
7447	D	REVISE NOTE 10	6/7/16	J KORDIK
7606	E	ADD HOLE PATTERN	3/30/17	J KORDIK
8209	F	DOCUMENT CLEANUP	4/29/19	J KORDIK
8383	G	REVISE WEIGHT	12/10/19	M.COX

[7]							
CONNECTION	SPECIFICATION	NUMBER OF PHASE	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE Nm Min	HOLDING TORQUE oz-in Min
BI-POLAR SERIES		2	1.94	21.6	2.8	8.9	1260.3
BI-POLAR PARALLEL		2	0.48	5.4	5.6	8.9	1260.3
UNI-POLAR		4	0.97	5.4	4.0	6.4	906.3

[1]

NOTES, UNLESS OTHERWISE SPECIFIED:

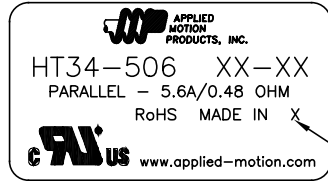
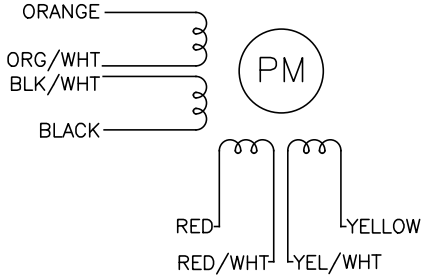
- [1] MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- [2] BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- [3] MAXIMUM ERROR IN 360°.
- 4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- [5] LEADS: 8, 22AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265, 3266.
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- [7] AS MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
- 8 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- [9] SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
- 10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- [1] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
- 12. HIGH TORQUE MOTOR DESIGN.

BIPOLAR, FULL STEP, 2 PHASE ON PARALLEL CONNECTED

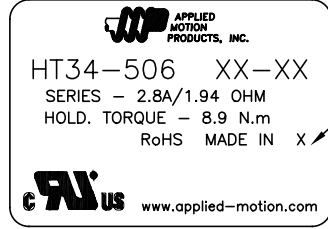
SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-

↑
CCW

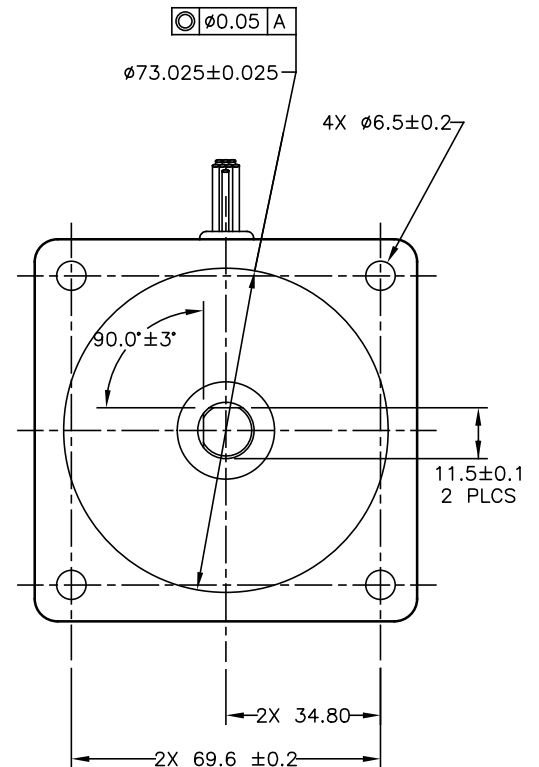
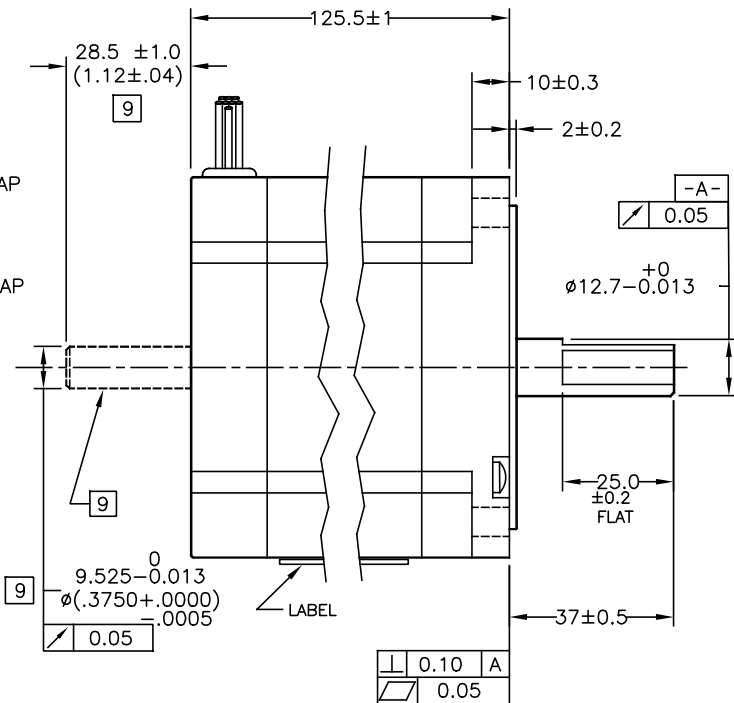
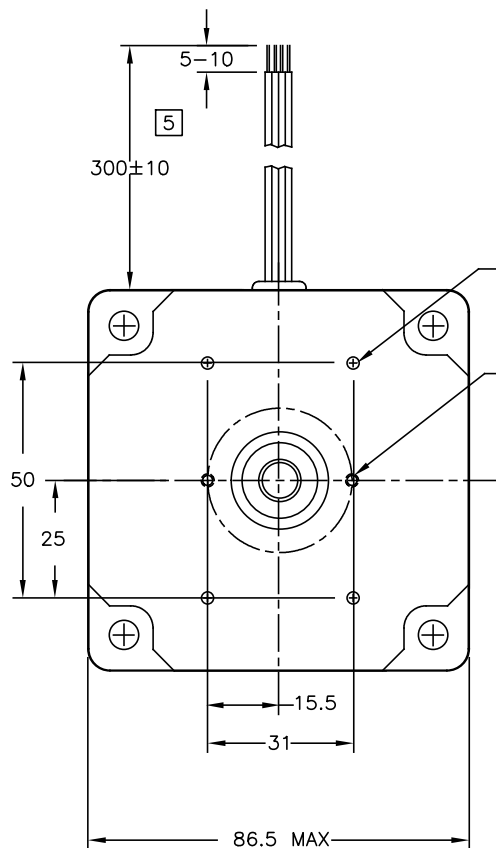


LABEL DETAIL
BOTH OPTIONS ACCEPTABLE



[11]

CONTRACT NO. -		 APPLIED MOTION PRODUCTS, INC.				
APPROVALS					DATE	
DRAWN	<i>R.JONEZ</i>	9/1/09	<h2>STEP MOTOR OUTLINE</h2>			
CHECKED						
APPROVED						
APPROVED			B	COMPUTER DATA BASE DRAWING	DWG NO. HT34-506	REV G
SCALE: NONE			SHEET 1 OF 2			



SINGLE/DOUBLE SHAFT VERSION

TOLERANCES		THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.	
DECIMALS: MM (INCH) X.XXX = ±0.013 (.005) X.XX = ±0.25 (.01) X.X = ±2.5 (0.1) ANGLES: MACH. = ±5° CHAM. = ±5°					
COMPUTER DATA BASE DRAWING		APPROVALS DATE DRAWN R. JONEZ 9/1/09 CHECKED APPROVED			
				STEP MOTOR OUTLINE	
				B DWG NO. HT34-506 REV G	
				SCALE: NONE SHEET 2 OF 2	